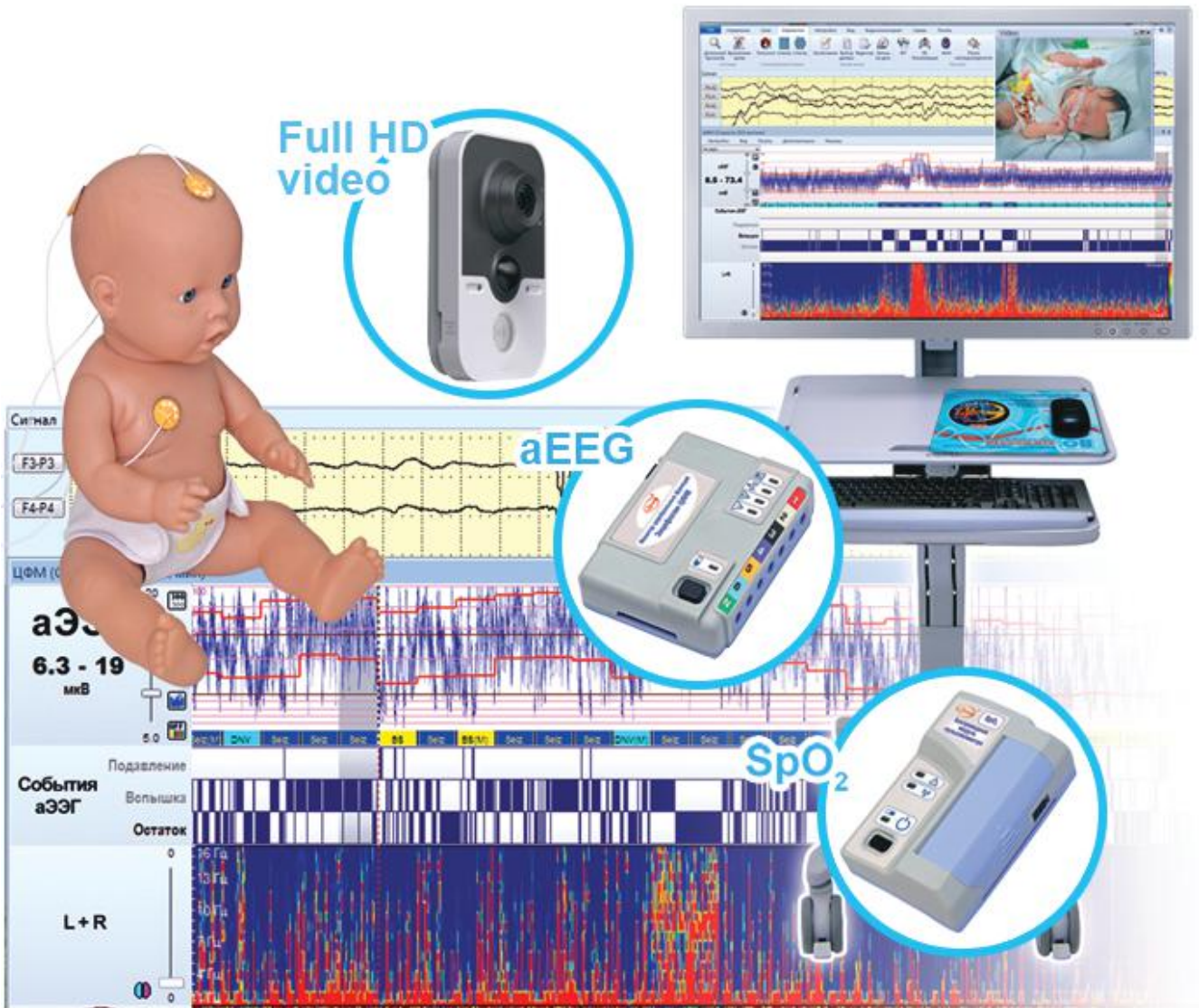


CEREBRAL FUNCTION MONITOR ENCEPHALAN-CFM



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Encephalan CFM is a modern device used to monitor brain activities, in order to detect pathological changes in cerebral functions and accurate assessment of hypoxic-ischemic encephalopathy in the infants (The changes in electrical brain activity in newborn cannot be detected while short-term tracing, it requires continuous monitoring).

Major Functions:

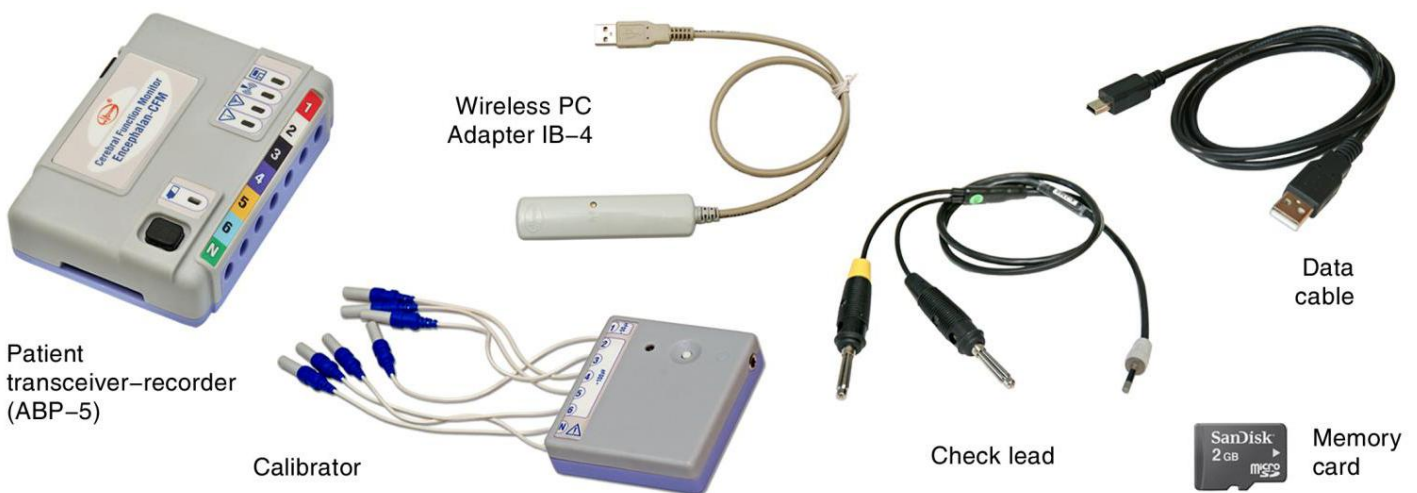
- ≡ Continuous and accurate assessment of CNS and Neurological status
- ≡ Keeping track of change in dynamics of a patient's state at proper intervals
- ≡ Evaluation of paroxysmal activity and assessing its severity, frequency and duration
- ≡ Monitoring changes in the brain activities, that can cause other disorders such as; brain traumatic injuries, asphyxia or cerebral perfusion disorder.
- ≡ Assess the need of neuro-protective treatment for hypoxic-ischemic disorder

Technical Characteristics:

- ≡ Wireless Pulse oximeter module
- ≡ Defibrillation proof connector to protect transceiver-recorder
- ≡ Seven electrodes connectors
- ≡ Light weight recorders
- ≡ Data backup available for the recorder
- ≡ A wireless Poly-4 module for recording additional signals such as; airflow, temperature, respiratory efforts etc.
- ≡ Personal computer for real time work station
- ≡ Wireless phone- and photostimulation unit used for different types of tests
It allows video-monitoring

Ailments and other Disorders

- ≡ There are many disorders that can be traced with the help of Cerebral Function Monitor Encephalan-CFM. For instance:
- ≡ Paroxysmal brain activity
- ≡ Perinatal asphyxia
- ≡ Unconscious post-comatose states
- ≡ Neurophysiological control in ischemic strokes
- ≡ Epileptiform activity and such cases in newborns
- ≡ Low cerebral perfusion



Different Modes Of Monitoring

- 1 Autonomous mode (Recorded data is saved in a memory card)
- 2 Telemetric mode (It uses wireless Bluetooth technology)
- 3 Autonomous-telemetric mode

Different Variants

- 1 Portable Version (the small equipment fits in a laptop bag)
- 2 Mobile Version (It consist of a monitor, video device kit, a printer, a computer and a storage device)

Sr. No.	List of the Items	Use of the Item
1	Transceiver and recorder along with the software to study ECG: (autonomous telemetric) <ul style="list-style-type: none"> ● Patient transceiver-recorder ABP-5 ● Wireless PC Adaptor ● Check lead ● USB data transfer cable ● Calibrator ● Memory card ● Software to study ECG signals recorded ● A card-file for patient's data management 	This set is equipped to record the data of patient, providing backup and study its recorded EEG signals.
2	Additional accessories <ul style="list-style-type: none"> ● Spare memory card ● Charger BC-700 ● Main supply adapter ● Ni-MH AA batteries (rechargeable) ● SW-Key (USB) ● Defibrillation proof connector ● Table support ● A guide/Atlas of amplitude-integrated EEG in the infants 	Additional devices needed for charging and emergency purposes
3	EEG Electrodes and accessories for using software: <ul style="list-style-type: none"> ● Set of single EEG electrodes ES-EEG-11/TP ● Set of caps (to be fixed on the baby's head) ● Disposable Electrodes ● Extensions lead set (Electrodes) ● Set of cup electrodes ● Elastics for fixing cover caps 	Used for cerebral monitoring (low-channel) And other additional accessories required
4	Pulse oximeter: <ul style="list-style-type: none"> ● Pulse oximeter module ● Main supply adapter ● SpO2 sensor Multisite Y-3227 ● SpO2 sensor SoftTip small RS-3227 ● Table supporter 	Used for checking oxygen levels of the patient's body and its fixtures
5	Video Equipment kit: <ul style="list-style-type: none"> ● HV-E Video Unit ● Injector USB ● Ethernet patch cable ● IR lamp for video recording during night ● Clip mount ● Tripod ● Event marker 	This set includes all equipment for recording video or video monitoring purposes
6	Software: <ul style="list-style-type: none"> ● Encephala- VLFA software (Analyzing low frequency activities) ● Encephalan-NM software (Neuro-monitoring) 	Software to be installed before using device, It helps to monitor assess the activities
7	Ten20 Conductive Paste or Electrode cream	For pasting cup electrodes
8	Electrode gel	Used on EEG electrodes for fixing it
9	Adhesive Plaster	To fix electrode sensor
10	Fixing bondage elastic	To stick wires and sensors onto the arms and legs
11	Disposable snap ECG electrode	
12	Brush	To apply cream

Other Office Equipment Required

Laptop with configurations

Intel Core: i5

RAM: 4GB

HDD 500GB

OS Windows 10

Monitor 15 inches/ 12 inches

Additional Monitor

Printer

Equipment trolley

(Compatible with Neotherm™ Cooling System)



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